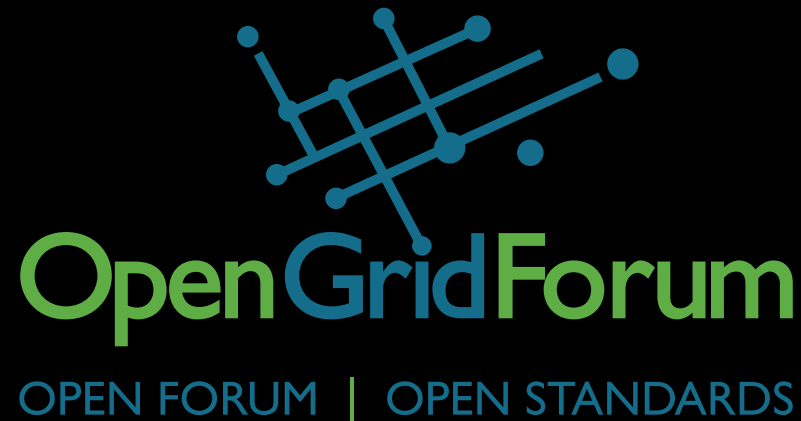




# OpenGridForum

OPEN FORUM | OPEN STANDARDS



OGF develops its  
work products using

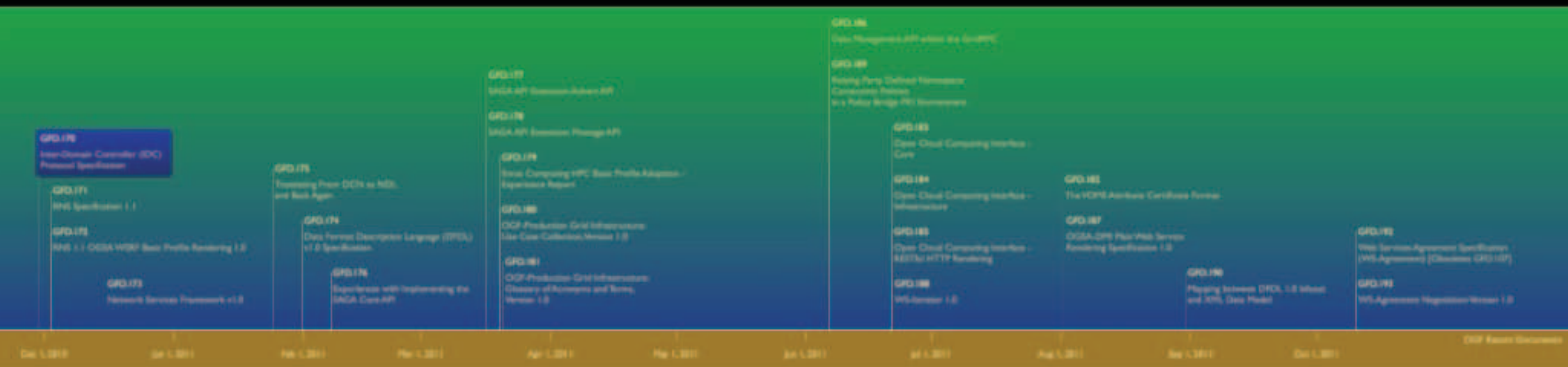
an open process involving all interested  
parties in the community.

Here we show a compilation  
of recent OGF standards, informational  
documents and experience documents

published during the period spanning

Dec. 2010 - Nov. 2011

# OGF Recent Standards, Informational and Experience Documents



Dec. 2010 - Nov. 2011

**GFD.170**

## Inter-Domain Controller (IDC) Protocol Specification

**GFD.171**

RNS Specification 1.1

**GFD.172**

RNS 1.1 OGSA WSRF Basic Profile Rendering 1.0

**GFD.173**

Network Services Framework v1.0

**GFD.174**

Data Format Description Language (DFDL)  
v1.0 Specification

**GFD.176**

Experiences with Implementing the  
SAGA Core API

**GFD.177**

SAGA API Extension: Adapt API

**GFD.178**

SAGA API Extension: Proxy API

**GFD.179**

Grid Computing HPC Basic Profile Adapter  
Experience Report

**GFD.180**

OGF-Production Grid Interconnect  
User Case Collection Version 1.0

**GFD.181**

OGF-Production Grid Interconnect  
Glossary of Acronyms and Terms  
Version 1.0

Feb. 1, 2011

Mar. 1, 2011

Apr. 1, 2011

May 1, 2011

Jun 1, 2011

Jul 1, 2011

Aug 1, 2011

Sep 1, 2011

Oct 1, 2011

Nov 1, 2011

Dec 1, 2011

Jan 1, 2012

Feb 1, 2012

Mar 1, 2012

Apr 1, 2012

May 1, 2012

GFD.170

Inter-Domain Controller (IDC)  
Protocol Specification

GFD.171

RNS Specification 1.1

GFD.172

RNS 1.1 OGSA WSRF Basic Profile Rendering 1.0

GFD.173

Network Services Framework v1.0

GFD.175

Translating From DCN to ND  
and Back Again

GFD.174

Data Format Description Language (DFDL)  
v1.0 Specification

GFD.176

Experiences with Implementing the  
SAGA Core API

GFD.177

SAGA API Extension: Admin API

GFD.178

SAGA API Extension: Storage API

GFD.179

Simex Computing HPC Basic Profile: Admin  
Experience Report

GFD.180

OGF-Production Grid Information  
Use Case Collection, Version 1.0

GFD.181

OGF-Production Grid Information  
Glossary of Acronyms and Terms  
Version 1.0

Jan 1, 2011

Feb 1, 2011

Mar 1, 2011

Apr 1, 2011

May 1, 2011

Jun 1, 2011

Jul 1, 2011

Aug 1, 2011



GFD.170  
Inter-Domain Controller (IDC)  
Protocol Specification

GFD.171

RNS Specification 1.1

GFD.172

RNS 1.1 OGSA WSRF Basic Profile Rendering 1.0

GFD.173

Network Services Framework v1.0

GFD.175

Translating From DCN to NDL  
and Back Again

GFD.177

SAGA API Extension Admin API

GFD.178

SAGA API Extension Manage API

GFD.179

Service Computing - HPC Basic Profile Metadata

GFD.174

OGSA Basic Profile Rendering 1.0

GFD.180

OGSA Basic Profile Rendering 1.0

GFD.176

OGSA Basic Profile Rendering 1.0  
SAGA Core API

Jan 1, 2011

Feb 1, 2011

Mar 1, 2011

Apr 1, 2011

May 1, 2011

Jun 1, 2011

Jul 1, 2011

Aug 1, 2011

Sep 1, 2011

GFD.171  
RNS Specification 1.1

GFD.172

RNS 1.1 OGSA WSRF Basic Profile Rendering 1.0

GFD.175

Translating From DCN to NDL  
and Back Again

GFD.174

Data Format Description Language (DFDL)  
v1.0 Specification

GFD.173

Network Services Framework v1.0

GFD.176

OGF-Production Grid Infrastructure  
Glossary of Acronyms and Terms

GFD.177

SAGA API Extension Admin API

GFD.178

SAGA API Extension Manage API

GFD.179

Service Computing (SC) Basic Profile Adapter  
Experience Report

GFD.180

OGF-Production Grid Infrastructure  
Use Case Collection, Version 1.0

GFD.181

OGF-Production Grid Infrastructure  
Glossary of Acronyms and Terms,  
Version 1.0

1, 2010

Jan 1, 2011

Feb 1, 2011

Mar 1, 2011

Apr 1, 2011

May 1, 2011

Jun 1, 2011

Jul 1, 2011

Aug 1, 2011

Sep 1, 2011

e Rendering 1.0

GFD.175

Translating From DCN to NDL  
and Back Again

GFD.174

Data Format Description Language (DFDL)  
v1.0 Specification

GFD.176

Experiences with Implementing the  
SAGA Core API

GFD.177

SAGA API Extension: Advert API

GFD.178

SAGA API Extension: Message API

GFD.179

OGF-Production Grid Infrastructure -  
PC Basic Profile Adoption -

GFD.180

OGF-Production Grid Infrastructure  
Use Case Collection, Version 1.0

GFD.181

OGF-Production Grid Infrastructure  
Glossary of Acronyms and Terms,  
Version 1.0

Apr 1, 2011



GFD.175

Translating From DCN to NDL  
and Back Again

GFD.174

Data Format Description Language (DFDL)  
v1.0 Specification

GFD.176

Experiences with Implementing the  
SAGA Core API

GFD.177

SAGA API Extension: Advert API

GFD.178

SAGA API Extension: Message API

GFD.179

Smoa Computing HPC Basic Profile Adoption -  
Experience Report

GFD.180

OGF-Production Grid Information

GFD.181

OGF-Production Grid Information  
Glossary of Acronyms and Terms,  
Version 1.0

Mar 1, 2011

Apr 1, 2011

May 1, 2011

Jun 1, 2011

Jul 1, 2011

Aug 1, 2011

Sep 1, 2011

Oct 1, 2011

Nov 1, 2011

Dec 1, 2011

Translating From DCN to NDL  
and Back Again

GFD.174

Data Format Description Language (DFDL)  
v1.0 Specification

GFD.176

Experiences with Implementing the  
SAGA Core API

GFD.179

Smoo Computing HPC Basic Profile Adoption -  
Experience Report

GFD.180

OGF-Production Grid Infrastructure:  
Use Case Collection, Version 1.0

GFD.181

OGF-Production Grid Infrastructure

GFD.182

OGF-Production Grid Infrastructure

Feb 1, 2011

Mar 1, 2011

Apr 1, 2011

May 1, 2011

Jun 1, 2011

Jul 1, 2011

Aug 1, 2011

Sep 1, 2011

Oct 1, 2011

Nov 1, 2011

Dec 1, 2011

**GFD.177**

**SAGA API Extension: Advert API**

**GFD.178**

**SAGA API Extension: Message API**

**GFD.179**

**Smoa Computing HPC Basic Profile Adoption -  
Experience Report**

**GFD.180**

**Open Grid Infrastructure:  
Version 1.0**

**GFD.186**

**Data Management API within the GridEC**

**GFD.189**

**Relating Party Defined Namespace  
Constraints Policies  
in a Policy Bridge PBO Environment**

**GFD.183**

**Open Cloud Computing Interface -  
Core**

**GFD.184**

**Open Cloud Computing Interface -  
Infrastructure**

**GFD.185**

**Open Cloud Computing Interface -  
RESTful HTTP Binding**

**GFD.188**

**WS-Security 1.0**

**GFD.181**

**The OGC Service Catalog Service**

**GFD.187**

**OGC-Open Geo-Web Service  
Binding Specification 1.0**

**GFD.186**

**Open Cloud Computing Interface -  
RESTful HTTP Binding**

**GFD.189**

**Open Cloud Computing Interface -  
RESTful HTTP Binding**

**GFD.188**

**Open Cloud Computing Interface -  
RESTful HTTP Binding**



GFD.177

SAGA API Extension: Advert API

GFD.178

SAGA API Extension: Message API

GFD.179

Smoa Computing HPC Basic Profile Adoption –  
Experience Report

GFD.180

OGF-Production Grid Infrastructure:  
Use Case Collection, Version 1.0

GFD.186

Data Management API within the GridFTC

GFD.189

Relaying Party Defined Namespaces  
Constraints Policies  
in a Policy Bridge PKI Environment

GFD.183

Open Cloud Computing Interact-  
Core

GFD.184

Open Cloud Computing Interact-  
Infrastructure

GFD.181

The IRTS Action Definition Format

GFD.187

OGF-ON Hosts for  
Bookings Interface 1.0

GFD.185

Open Cloud Computing Interact-  
RESTful HTTP Rendering

GFD.188

WS-Resource 1.0

OGF

Open Grid Forum  
OGF-Production Grid Infrastructure

OGF

Open Grid Forum  
OGF-Production Grid Infrastructure

OGF

Open Grid Forum  
OGF-Production Grid Infrastructure

OGF

Open Grid Forum  
OGF-Production Grid Infrastructure

OGF

Open Grid Forum  
OGF-Production Grid Infrastructure



GFD.177

SAGA API Extension: Advert API

GFD.178

SAGA API Extension: Message API

GFD.179

Smoa Computing HPC Basic Profile Adoption –  
Experience Report

GFD.180

OGF-Production Grid Infrastructure:  
Use Case Collection, Version 1.0

GFD.181

OGF-Production Grid Infrastructure:  
List of Acronyms and Terms,

GFD.186

Data Management API within the GridPP

GFD.189

Relying Party Defined Namespace  
Constraints Policies  
in a Policy Bridge PKI Environment

GFD.191

Open Cloud Computing Interface

GFD.185

Open Cloud Computing Interface -  
RESTful HTTP Rendering

GFD.188

WS-Resource 1.0

Jun 1, 2011

Aug 1, 2011

Jul 1, 2011

Jul 1, 2011

Jul 1, 2011

GFD.178  
SAGA API Extension: Message API

GFD.179  
Smoa Computing HPC Basic Profile Adoption -  
Experience Report

GFD.180

OGF-Production Grid Infrastructure:  
Use Case Collection, Version 1.0

GFD.181  
OGF-Production Grid Infrastructure:  
Glossary of Acronyms and Terms,  
Version 1.0

GFD.186  
Data Management API within the GridFC

GFD.189  
Relying Party Defined NameSpace  
Constraints Policies  
in a Policy Bridge PKI Environment

GFD.183  
Open Cloud Computing Interface -  
Core

GFD.184  
Open Cloud Computing Interface -  
Infrastructure

GFD.181  
The OGF Archival Grid Infrastructure

GFD.185  
Open Cloud Computing Interface -  
RESTful HTTP Rendering

GFD.187  
OGF-DM Parity Index  
Rendering Interface 1.0

GFD.188  
WS-iterator 1.0

GFD.186  
Policy based OGF 1.0  
and OGF 1.0 API

GFD.186  
Policy based OGF 1.0  
and OGF 1.0 API

GFD.186  
Policy based OGF 1.0  
and OGF 1.0 API

May 1, 2011

Jun 1, 2011

Jul 1, 2011

Aug 1, 2011

Sep 1, 2011

Oct 1, 2011

Nov 1, 2011



ge (DFDL)

enting the

179  
Smoa Computing HPC Basic Profile Adoption -  
Experience Report

GFD.180

OGF-Production Grid Infrastructure:  
Use Case Collection, Version 1.0

GFD.181

OGF-Production Grid Infrastructure:  
Glossary of Acronyms and Terms,  
Version 1.0

GFD.182  
Relying Party Defined Namespaces  
Constraints Policies  
in a Policy Bridge P2 Environment

GFD.183  
Open Cloud Computing Interface  
Core

GFD.184  
Open Cloud Computing Interface  
Infrastructure

GFD.185  
Open Cloud Computing Interface -  
RESTful HTTP Binding

GFD.186  
WS-iterator 1.0

GFD.187  
The OGF-Architecture Conformance

GFD.188  
OGF-Architecture Conformance  
Binding Specification 1.0

GFD.189  
Policy-driven P2 Environment

GFD.190  
OGF-Architecture Conformance  
Binding Specification 1.0

GFD.191  
Policy-driven P2 Environment

May 1, 2011

Apr 1, 2011

Jun 1, 2011

Jul 1, 2011

Aug 1, 2011

Sep 1, 2011

Oct 1, 2011

**GFD.186**

**Data Management API within the GridRPC**

**GFD.189**

**Relying Party Defined Namespace  
Constraints Policies  
in a Policy Bridge PKI Environment**

**GFD.183**

**Open Cloud Computing Interface -  
Core**

**GFD.182**

**The VOMS Attribute Certificate Format**

**GFD.187**

**Plain Web Service  
Version 1.0**

**GFD.188**

**Web Service Agreement Language  
(WS-Agreement) (Draft 0.1)**

**GFD.189**

**Web Service Agreement Language  
(WS-Agreement) (Draft 0.1)**



GFD.186

Data Management API within the GridRPC

GFD.189

Relying Party Defined Namespace  
Constraints Policies  
in a Policy Bridge PKI Environment

GFD.183

Open Cloud Computing Interface -  
Core

GFD.184

Open Cloud Computing Interface -  
Infrastructure

GFD.185

Open Cloud Computing Interface -

GFD.182

The VOMS Attribute Certificate Format

GFD.187

OGSA-DMI Plain Web Service  
Rendering Specification 1.0

GFD.190

Mapping between ODFL 1.0 release  
and XML Data Model

GFD.188

Web Service Agreement (WSA)  
Agreement (OWS) (GFD.188)

GFD.189

WS Agreement (OWS) (GFD.189)

OWS Agreement (OWS)

GFD.189

Relaying Party Defined Namespace  
Constraints Policies  
in a Policy Bridge PKI Environment

GFD.183

Open Cloud Computing Interface -  
Core

GFD.184

Open Cloud Computing Interface -  
Infrastructure

GFD.185

Open Cloud Computing Interface -  
RESTful HTTP Rendering

GFD.182

The VOMS Attribute Certificate Format

GFD.187

OGSA-DMI Plain Web Service  
Rendering Specification 1.0

GFD.190

Mapping between DFDL 1.0 Infoset  
and XML Data Model

GFD.191

Web Services Agreement Specimen  
(WS-Agreement) [Chapters GFD.183]

GFD.191

WS-Agreement Negotiation Specimen 1.0

Oct 1, 2011

Oct 1, 2011

2011-10-01

Policy Defined Namespace  
Constraints Policies  
in a Policy Bridge PKI Environment

GFD.183

Open Cloud Computing Interface -  
Core

GFD.184

Open Cloud Computing Interface -  
Infrastructure

GFD.185

Open Cloud Computing Interface -  
RESTful HTTP Rendering

GFD.188

WS-Iterator 1.0

GFD.182

GFD.187

OGSA-DMI Plain View  
Rendering Specification 1.0

GFD.190

Mapping between DFDL 1.0 Infoset  
and XML Data Model

GFD.192

Web Services Agreement Specifier  
(WS-Agreement) (Drafting GFD.192)

GFD.193

WS-Agreement Negotiation Version 1.0

Aug 1, 2011

Sep 1, 2011

Oct 1, 2011

Nov 1, 2011



GFD.183

Open Cloud Computing Interface -  
Core

GFD.184

Open Cloud Computing Interface -  
Infrastructure

GFD.182

The VOMS Attribute Certificate Format

GFD.185

Open Cloud Computing Interface -  
RESTful HTTP Rendering

GFD.187

OGEA DNF PUAWS VOMS

GFD.192

Web Services Agreement Specification  
(WS-Agreement) (Chapters GFD.187)

GFD.193

WS-Agreement Negotiation Version 1.0

GFD.190

Open Cloud Computing Interface -  
DFDL 1.0 Intersect  
and XML Data Model

GFD.188

WS-Iterator 1.0

Aug 1, 2011

Sep 1, 2011

Oct 1, 2011

Jul 1, 2011



Core Cloud Computing Interface -

GFD.184

Open Cloud Computing Interface -  
Infrastructure

GFD.185

Open Cloud Computing Interface -  
RESTful HTTP Rendering

**GFD.188**

**WS-Iterator 1.0**

GFD.182

The VOMS Attribute Certificate Format

GFD.187

OGSA-DMI Plain Web Service  
Rendering Specification 1.0

GFD.192

Web Service Agreement (WSA) Format  
(WSA-Format) (Draft 2.0.0)

GFD.193

WS-Agreement Negotiation Format 1.0

GFD.190

Mapping between DFDL 1.0 Infoset  
and XML Data Model

2011 Open Source

Jun 1, 2011

Jul 1, 2011

Aug 1, 2011

Sep 1, 2011

Oct 1, 2011

terface -

terface -

terface -

**GFD.182**

**The VOMS Attribute Certificate Format**

**GFD.187**

**OGSA-DMI Plain Web Service  
Rendering Specification 1.0**

**GFD.190**

**Mapping between DFDL 1.0 Infoset  
and XML Data Model**

**GFD.192**

**Web Services Agreement Specification  
(WS-Agreement) [Obsoletes GFD.187]**

**GFD.193**

**WS-Agreement Negotiation Version 1.0**

OGF Recent Documents

Oct 1, 2011

uting Interface -

uting Interface -

uting Interface -  
dering

GFD.182

The VOMS Attribute Certificate Format

**GFD.187**

**OGSA-DMI Plain Web Service  
Rendering Specification 1.0**

GFD.190

Mapping between DFDL 1.0 Infoset  
and XML Data Model

GFD.192

Web Services Agreement Specification  
(WS-Agreement) [Obsoletes GFD.107]

GFD.193

WS-Agreement Negotiation Version 1.0

OGF Review Documents

Oct 1, 2011

Sep 1, 2011

Aug 1, 2011

Attribute Certificate Format

Plain Web Service  
Specification 1.0

GFD.192

Web Services Agreement Extensions  
(WS-Agreement Extensions)

**GFD.190**

Mapping between DFDL 1.0 Infoset  
and XML Data Model

GFD.191

Web Services Agreement Extensions  
(WS-Agreement Extensions)

OGF Recent Documents

Sep 1, 2011

Oct 1, 2011



**GFD.192**

Web Services Agreement Specification  
(WS-Agreement) [Obsoletes GFD.107]

**GFD.193**

WS-Agreement Negotiation Version 1.0

InfoSet

OGF Recent Documents

GFD.192

Web Services Agreement Specification  
(WS-Agreement) [Obsoletes GFD.107]

GFD.193

WS-Agreement Negotiation Version 1.0

OGF Recent Documents

Oct 1, 2011

InfoSet

These documents are part of the Grid Final Document series (GFDs), which has a strong track record of adoption in large-scale commercial and academic distributed computing products.

OGF Document Series					
Click on the Document Number (GFD.n) to view the document or view <a href="#">all the documents in Editor pipeline</a> .					
Showing documents 1-173 of 173.   <a href="#">First</a>   <a href="#">Prior</a>   <a href="#">Next</a>   <a href="#">Last</a>   <a href="#">All</a>					
Document	Title	Document Type	Author(s)	Publication Date	Area/Group
<a href="#">▶ GFD.193</a>	WS-Agreement Negotiation Version 1.0	P-REC	O. Waeldrich, D. Battré, F. Brazier, K. Clark, M. Oey, A. Papaspyrou, P. Wieder, W. Ziegler	2011-10-10	<a href="#">Compute GRAAP-WG</a>
<a href="#">▶ GFD.192</a>	Web Services Agreement Specification (WS-Agreement) [Obsoletes GFD.107]	REC	A. Andrieux, K. Czajkowski, A. Dan, K. Keahey, H. Ludwig, T. Kakata, J. Pruyne, J. Rofrano, S. Tuecke, M. Xu	2011-10-10	<a href="#">Compute GRAAP-WG</a>
<a href="#">▶ GFD.190</a>	Mapping between DFDL 1.0 Infoset and XML Data Model	INFO	S. Hanson	2011-08-30	<a href="#">Data DFDL-WG</a>
<a href="#">▶ GFD.189</a>	Relying Party Defined Namespace Constraints Policies in a Policy Bridge PKI Environment	INFO	D. Groep, J. Jensen	2011-06-06	<a href="#">Security CAOPS-WG</a>
<a href="#">▶ GFD.188</a>	WS-Iterator 1.0	P-REC	M. Morgan	2011-06-21	<a href="#">Architecture OGSA-Naming-WG</a>
<a href="#">▶ GFD.187</a>	OGSA-DMI Plain Web Service Rendering Specification 1.0	P-REC	M. Drescher, S. Newhouse, M. Antonioletti	2011-08-01	<a href="#">Data OGSA-DMI-WG</a>
<a href="#">▶ GFD.186</a>	Data Management API within the GridRPC	P-REC	Y. Caniou, E. Caron, G. Le Mahec, H. Nakada	2011-06-06	<a href="#">Applications GRIDRPC-WG</a>
<a href="#">▶ GFD.185</a>	Open Cloud Computing Interface - RESTful HTTP Rendering	P-REC	T. Metsch, A. Edmonds	2011-06-21	<a href="#">Infrastructure OCCI-WG</a>

*OGF's success in cloud and grid standards development spans more than a decade.*





# OpenGridForum

OPEN FORUM | OPEN STANDARDS